



Network

# QNE-8011R

5M H.265 IR Flateye Camera



## Key Features

- Max. 5Megapixel (2592 x 1944) resolution
- 2.8mm fixed lens
- 0.15Lux (Color), 0Lux (B/W, IR LED on)
- Max. 30fps@5MP (H.265 / H.264)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night, WDR (120dB)
- Tampering, Motion detection, Defocus detection, Virtual line
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 20m
- LDC, PoE

## Compatible Devices



SBV-125BW

SBP-125WMW

# QNE-8011R

5M H.265 IR Flateye Camera



## Specifications

### Video

|                         |                       |                                                                                                                    |
|-------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Imaging Device          | Size                  | 1/2.8"                                                                                                             |
|                         | Type                  | CMOS                                                                                                               |
| Resolution              |                       | 2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate          | H.265/H.264           | 30fps/25fps(60Hz/50Hz)                                                                                             |
|                         | MJPEG                 | 15fps(@5MP Max. 2fps)                                                                                              |
| Min. Illumination (Lux) | Color(1/30sec, 30IRE) | 0.15                                                                                                               |
|                         | BW(1/30sec, 30IRE)    | 0.015                                                                                                              |

### Lens

|                               |            |       |
|-------------------------------|------------|-------|
| Focal Length (mm)             |            | 2.8   |
| Max Aperture Ratio (F number) | Wide       | 2.0   |
| Angular Field of View         | Horizontal | 105°  |
|                               | Vertical   | 77°   |
|                               | Diagonal   | 137°  |
| Focus Control                 |            | Fixed |

### Pan / Tilt / Rotate

|                           |        |         |
|---------------------------|--------|---------|
| Pan / Tilt / Rotate Range | Pan    | 0°~350° |
|                           | Tilt   | 0°~75°  |
|                           | Rotate | 0°~360° |

### Operational

|                         |          |                        |
|-------------------------|----------|------------------------|
| Day & Night             |          | Auto(ICR)              |
| Backlight Compensation  |          | BLC, WDR, SSDR         |
| Wide Dynamic Range (dB) |          | 120                    |
| Digital Noise Reduction |          | SSNR                   |
| Motion Detection        | Quantity | 4ea                    |
|                         | Shape    | 8point Polygonal zones |

## Operational

|                                          |             |                                                                                                                                                 |
|------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Privacy Masking                          | Quantity    | 6ea                                                                                                                                             |
|                                          | Shape       | Rectangular zones                                                                                                                               |
| Gain Control                             |             | Low, Middle, High                                                                                                                               |
| White Balance                            |             | ATW, AWC, Manual, Indoor, Outdoor                                                                                                               |
| LDC                                      |             | Support                                                                                                                                         |
| Electronic Shutter                       | Mode        | Minimum, Maximum, Anti flicker                                                                                                                  |
|                                          | Speed Range | 1/5~1/12,000sec                                                                                                                                 |
| Video Rotation                           |             | Flip, Mirror, Hallway view(90°/270°)                                                                                                            |
| Alarm Triggers                           |             | Analytics, Network disconnect                                                                                                                   |
| Alarm Events When Alarm Trigger Occurred |             | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,<br>Handover: PTZ preset |
| Light Type                               |             | IR LED                                                                                                                                          |
| Light Viewable Length                    | IR          | 20m(65.62ft)                                                                                                                                    |
| IR Wavelength                            |             | 850nm                                                                                                                                           |

## Analytics

|                  |        |                                                                                                                       |
|------------------|--------|-----------------------------------------------------------------------------------------------------------------------|
| Analytics Events | Normal | Defocus detection, Motion detection, Tampering, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing, Direction) |
|------------------|--------|-----------------------------------------------------------------------------------------------------------------------|

## Network

|                                   |                    |                                                                                                                                                                                    |
|-----------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                          |                    | RJ-45(10/100BASE-T)                                                                                                                                                                |
| Video Compression                 |                    | H.265/H.264: Main/High, MJPEG                                                                                                                                                      |
| Smart Codec                       |                    | WiseStream II                                                                                                                                                                      |
| Bitrate Control                   |                    | H.265/H.264: CBR or VBR,<br>MJPEG: VBR                                                                                                                                             |
| Streaming                         | Unicast            | Up to 6 users                                                                                                                                                                      |
|                                   | Multicast          | Support                                                                                                                                                                            |
|                                   | Multiple Streaming | Up to 3 profiles                                                                                                                                                                   |
| Protocol                          |                    | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP |
| Application Programming Interface | ONVIF              | S, G, T                                                                                                                                                                            |
|                                   | Others             | SUNAPI(HTTP API), Hanwha Vision Open Platform                                                                                                                                      |
| Direct Cloud Connection           |                    | Optional (needs gateway)                                                                                                                                                           |

## Security

|                        |  |                                                    |
|------------------------|--|----------------------------------------------------|
| OS / Firmware Protect  |  | Encrypted firmware                                 |
| User authentication    |  | Digest authentication, Prevent brute-force attack  |
| Network authentication |  | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) |

## Security

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| Secure Communication | HTTPS, WSS(WebSocket Secure), SRTP                                      |
| Access Control       | IP-based access control                                                 |
| Data Protect         | Encryption credentials, Encrypt compress for live recording file export |
| Audit                | Access / System / Event Log management                                  |
| Device ID            | Device certificate(Hanwha Vision Root CA)                               |
| Secure Storage       | SDcard partition encrypt(AES-256)                                       |

## General

|              |                    |                    |
|--------------|--------------------|--------------------|
| Memory       | RAM                | 512MB              |
|              | Flash              | 256MB              |
| Edge Storage | Micro SD/SDHC/SDXC | Max. 128GB x 1slot |

## Environmental & Electrical

|                     |             |                                        |
|---------------------|-------------|----------------------------------------|
| Operating Condition | Temperature | -30°C~+55°C(-22°F~+131°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
|                     | Others      | Start up should be done at above -20°C |
| Storage Condition   | Temperature | -30°C~+60°C(-22°F~+140°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
| Input Voltage       |             | PoE(IEEE802.3af, Class3)               |
| Power Consumption   | PoE         | Max. 7.40W, typical 5.50W              |

## Mechanical

|                    |                           |
|--------------------|---------------------------|
| Color              | White                     |
| Material           | Aluminum                  |
| RAL Code           | RAL9003                   |
| Product Dimensions | ø125.0x87.4mm(4.92x3.44") |
| Product Weight     | 645g(1.42lb)              |

## Certifications & Standards

|             |                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC         | FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3, VCCI CISPR 32 Class A, RCM AS-NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835 |
| Safety      | UL 60950-1, CAN/CSA C22.2 NO. 60950-1, IEC 62471                                                                                                                                                         |
| Environment | IEC/EN 63000, IEC 60529 IP67, IEC 62262 IK10                                                                                                                                                             |

## DORI (EN62676-4 standard)

|                           |      |                 |
|---------------------------|------|-----------------|
| Detect (25PPM/ 8PPF)      | Wide | 40.2m(131.91ft) |
| Observe (63PPM/ 19PPF)    | Wide | 16.1m(52.76ft)  |
| Recognize (125PPM/ 38PPF) | Wide | 8.0m(26.38ft)   |

**DORI (EN62676-4 standard)**

|                             |      |               |
|-----------------------------|------|---------------|
| Identify (250PPM/<br>76PPF) | Wide | 4.0m(13.19ft) |
|-----------------------------|------|---------------|

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CAD

Unit: mm [inch]

